Title: Characterizations of strong and statistical convergences

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The two main objectives of the paper are to cast the concept of $A$-uniform integrability in the measure-theoretic sense leading to showing that a sequence is $A$-strongly convergent if and only if it is $A$-statistically convergent and it is $A$-uniformly integrable. The second aim is to give an almost all subsequence characterization of $A$-statistical convergence.

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